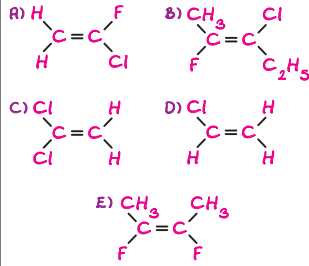


İÇERİK

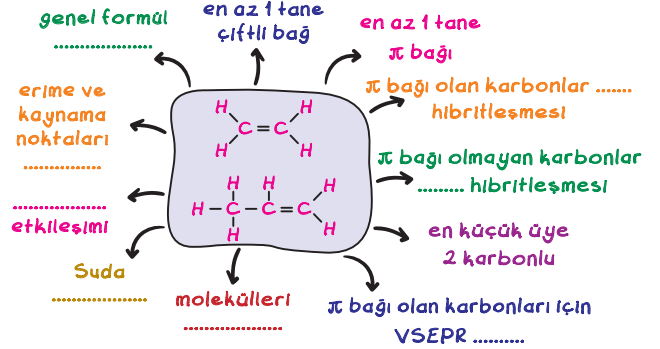
- Geometrik izomeri

ÖSYM TARZI

Aşağıdaki bileşiklerin hangisinde cis-trans izomerliği görülür?



ALKENLER (OLEFİNLER)



- Alkenler aynı karbon sayılı sikloalkanlar ile izomerdir.

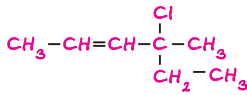
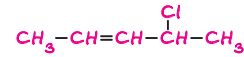
SORU

Yapısında 1 adet π bağı içeren düz zincirli bir hidrokarbon bileşiği için aşağıdaki ifadelerden hangisi doğrudur?

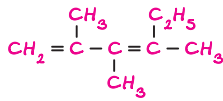
- A) Doymuş hidrokarbondur.
- B) Tüm karbonları sp^3 hibritleşmesi yapmıştır.
- C) Molekülleri polar yapıdadır.
- D) Suda iyi çözünür.
- E) Tanecikleri arasında etkin etkileşim türü London çekim kuvvetleridir.

Adlandırma

- Ana grubu belirle
- π bağına en yakın uçtan numaralandırmaya başla
- Yan grupları karbon numaraları ile belirt
- π bağlarını içeren karbonları belirt
- Ana grubun karbon sayısına göre alken ismi ver

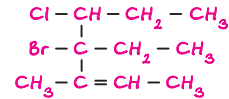


- Doğru zinciri seçtiğinden emin ol



- 1'den fazla π bağı varsa ne olacak?

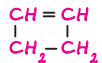
SORU



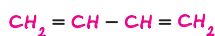
Bu bileşiğin IUPAC'a göre doğru isimlendirilmesi hangi seçenekte verilmiştir?

- A) 3-metil - 4-bromo - 4-etil - 5-kloro - 2-hepten
- B) 4-bromo - 3-metil - 5-kloro - 4,5-dietil - 2-hepten
- C) 3-kloro - 4-bromo - 4-etil - 5-metil - 5-hepten
- D) 4-bromo - 4-etil - 3-kloro - 5-metil - 5-hepten
- E) 4-bromo - 4-etil - 5-kloro - 3-metil - 2-hepten

Sikloalkanlar



Dienler



Siklobaten

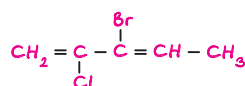
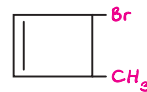
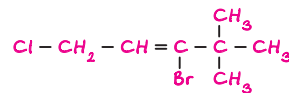


1,3 butadien

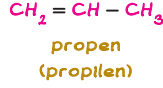
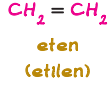


izomer

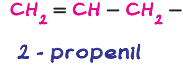
Isınalım Biraz...



ÖZEL İSİMLİ ALKENLER

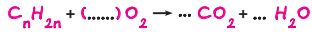


Alkeniller

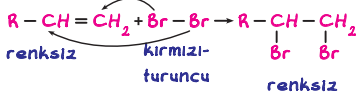
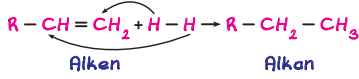


TEPKİMLER

Yanma



Katılma



Alkenler bromlu suyun rengini giderir.

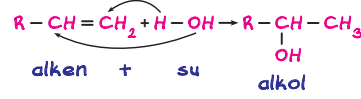
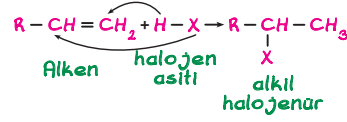
SORU

- I. 2-kloro-1-baten
- II. 3-kloro-siklobaten
- III. 2-kloro-3 metil-1,3-batadien
- IV. 1-kloro-siklopenten

Bu bileşiklerden hangi ikisi birbirinin izomeridir?

- A) I ve II B) I ve III C) II ve IV
D) III ve IV E) I ve IV

Markovnikov: Hidrojeni çok olan karbona H, az olan karbona diğer radikal gider.

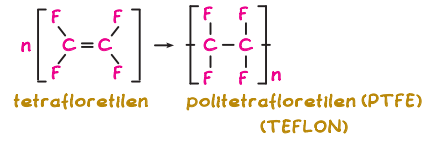
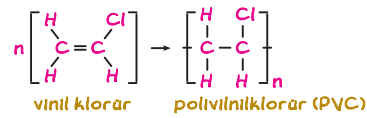
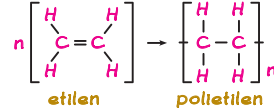


SORU

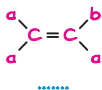
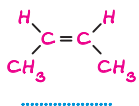
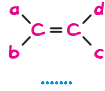
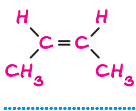
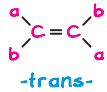
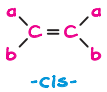
Propilen bileşiğine tek adımlı bir katılma tepkimesi uygulayarak aşağıdaki bileşiklerden hangisini ana ürün olarak elde edemeyiz?

- A) $\text{CH}_3-\text{CH}_2-\text{CH}_3$
B) $\text{CH}_3-\text{CH}(\text{Cl})-\text{CH}_2-\text{Cl}$
C) $\text{CH}_3-\text{CH}(\text{Cl})-\text{CH}_3$
D) $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{Cl}$
E) $\text{CH}_3-\text{CH}(\text{OH})-\text{CH}_3$

Polimerleşme



Geometrik izomeri (Cis - Trans)



İsim		
Polarlık		
Suda Çözünürlük		
Kaynama Noktası		

SORU

- I. $\text{CH}_3 - \text{CH} = \text{CH} - \text{Cl}$
 II. $\text{CH}_3 - \text{CH} = \text{CH} - \text{CH}_3$
 III. $\text{CH}_2 = \text{CH} - \text{CH}_2 - \text{CH}_3$

Bu bileşiklerden hangilerinde cis-trans izomeri görülmez?

- A) Yalnız I B) Yalnız III C) I ve II
 D) II ve III E) I, II ve III

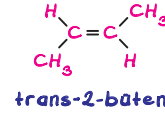
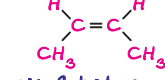


kamp2019

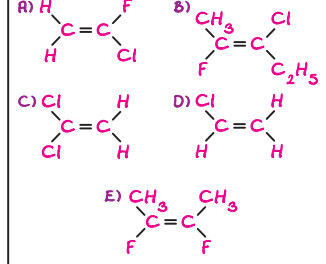
İÇERİK

- Geometrik izomeri

2-buten için:

**ÖSYM TARZI**

Aşağıdaki bileşiklerin hangisinde cis-trans izomerliği görülür?

**ÖDÜLLÜ SORU**

- I. $\text{CH}_3 - \text{CH} - \text{CH}_3$
 OH
 II. $\text{CH}_3 - \text{CH}_2 - \text{OH}$
 III. $\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{OH}$

Bu alkollerden hangileri alkenlere su katılmasına ait olan bir tepkimenin ana ürünü olarak elde edilemez?

kimya